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ABSTRACT

Assessed were the effects of verbal placeholding and full verbal rehearsal (verbalizing aloud the critical components and sequence) on the direction following behavior of 14 institutionalized retarded adolescents (mean IQ 48). A control group from the same institution participated in practice sessions without the verbal rehearsal stress. Pre- and posttest measures of correctly followed and sequenced directives indicated that both practice and rehearsal strategies fabilitate direction following performance. Three appendixes provided details of testing situations. (CL)

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THE DIRECTION FOLLOWING BEHAVIOR OF MENTALLY RETARDED ADOLESCENTS AS A FUNCTION OF VERBAL REHEARSAL

Casper L. Ferneti, Jennifer F. Holvoet, Dennis J. Tucker, James R Lent, Ingo Keilitz

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Introduction

Following directions is a critical adaptive skill which has functional value in a variety of settings. Sokolove and Girardeau (1972) surveyed eleven employers of retarded individuals and reported that 100 percent of the employers they interconsidered direction following an important skill. The retarded, however, do not follow directions as well as nonretarded individuals (Lent, Holvoet, Ferneti, Keilitz, and Tucker, 1972).

Attempts to ameliorate direction following deficits in the retarded have not been reported in the literature. Therefore, since direction following necessarily involves the processing of input information over short periods of time, research on the short-term memory of mentally retarded individuals seems directly related to the problem of direction following for the retarded.

It has been suggested that the short-term memory of the mentally retarded is deficient in at least two aspects: 1) the manner in which they acquire or store information, and 2) the manner in which they retrieve information from their manners (Butterfield, Wambold, and Belmont, 1972). Surprisingly, retention does not seem to be responsible for recall deficits in the retarded since the retarded and nonretarded alike demonstrate equal forgetting (Belmont and Butterfield, 1969; Belmont, in press). Belmont and Butterfield (1969; 1971a) have identified both active and passive components of information acquisition and have shown that these are associated with differential recall. This suggests two memory systems which differ in the manner in which information is acquired, retained, and metrieved. These two memory systems appear to be similar to the primary and recendary memories identified by others (Waugh and Norman, 1965; Ellis, 1909). The primary system consists of passive acquisition, short retention, and quic metrievel. In contrast, the secondary system is characterized by acquisition should active rehearsal, long retention, and systematic time consuming retrieval.



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research in licates that retarded and nonretarded children and adults are screewhat comparable in the manner in which they use their primary systems. The retarded, however, presumably do not use their secondary systems nearly as a the nonretarded (Belmont and Butterfield, 1969; 1971a; 1971b; Ellis, 1971). Calmont and Butterfield (1969) further state that the principle reason retardates are inferior to normal adults in short-term memory functioning is not the retardates use fewer active acquisition strategies. Kellas (1972) reports that third and fifth graders rehearse aloud in the same fashion as when they rehearse silently. Seventh graders, however, show differences in silent and vocal rehearsal indicating that their rehearsal activity cannot be successfully externalized. It may be that retarded and younger nonretarded individuals of comparable mental age (MA) rehearse aloud or silently in the same fashion.

The purpose of this study was to assess the effects of verbal placeholding and full verbal rehearsal (numbering aloud the position of a directive in a directive set and verbalizing aloud the critical components of each directive in the set, such as, one, show me two combs; two, find (the) hammer) on the direction following performance of retarded individuals.

Method

Subjects

The 26 subjects who participated in this study were residents of the Parsons State Pospital and Training Center in Parsons, Kansas. The subjects ranged in charm dical age (CA) from 14.1 to 17.1 years (mean CA = 16.4 years). Their WISC or PATS That Scale IQ scores ranged from 40 to 58 (mean IQ = 48.1). This data includes promating of WISC Full Scale scores into IQ's following Ogden (1960).

buted into six sets, 154 common objects, and a bookshelf. The bookshelf, containing 140 objects, was constructed with five shelves of varying depths permitting



visibility of objects on the shelves (see Appendix A). Only the second, and fourth shelves were used to hold objects. Numbered locations on the location of object placement on all (see Appendix B).

of 1360 imperative sentences were constructed from a list of 154 minus, of early, 14 adjectives, and 11 prepositions (see Appendix C). Each of mass, in all phases except the screening phase, had one of three basic matures:

- a) verb + noun phrase + prepositional phrase;
- b) verb + two noun phrases; orc) verb + prepositional phrase

The 1360 sentences generated were then distributed into sets: one or more sentences (directives) were presented serially to the subject as a complex stimulus unit prior to the attempt at direction following. For the pretest for training and four baselines, 125 different objects and 490 different directives in sentence form were arranged into 225 sets containing 1, 2, 3, 4, and 5 separate sentences. In each session, 20, 10, 6, 5, and 4 presentations were used respectively. Materials for the pretest and posttest for generalization consisted of different objects and directives than knose used for pretest and posttest training. The 29 objects and 5 separate sentence form were arranged into 45 sets containing 1, 2, 3, 4, and 5 separate sentences; 20, 10, 6, 5, and 4 presentations were used respectively. The 15 training units consisted of the directives in sentence form and the 125 middless employed in the protest for training and baseline. The sentences, however, which corristed of 870 directives, were arranged into 105 sets containing 2, 3, and 3 sentences; 10, 6, and 5 presentations were used respectively.

response who failed a test item were informed of the correct response. If a subject



the same item on three consecutive trials the subject was dropped. The ject reached criterion when every item was responded to correctly on two concined trials. Subjects were given one token for every five correct responses the end of a session, the tokens were exchanged for pennies at the rate of tens per penny. Twenty-seven subjects met criterion and were randomly and of two treatment groups.

aining pretest and a generalization pretest were administered to all since individually in the presence of two experimenters: 1) an interacting experimenter (NE) and 2) a non-interacting experimenter (NE). Both experimenters could enough, but independently, recorded data for each subject; however, only the NE interacted verbally with the subjects.

As each subject entered the experimental room, he or she was greeted by the $\it IE$ who said:

I am your teacher and he (pointing to NE) is your other teacher. We're going to play a game. I want you to sit in your chair while I ask you to do some things. Then, you do what I tell you in the right order. Do the best you can. Listen carefully.

Immediately following this introduction, each subject was instructed to respond to a directive set containing two imperative sentences. This set served as an a emplar and was not recorded. If the set was performed appropriately the IE proceeded with the experimental session. If the subject erred in the performance of the example, the IE repeated the sample directives, provided the subject with feedback concerning the appropriateness of his responses, and proceeded with the Virst experimental set if the subject's behavior was appropriate. If the subject erred once again, the NE modeled the desired behavior and the IE asked the subject to attempt following the sample directive once again. Regardless of the appropriateness of this final exemplar the IE proceeded to present the first appropriate directive.



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Directives were presented orally by the IE to each subject. Each presentation of a set was preceded by the IE saying, This time I'm going to ask you to do n things. The number of separate directives in a forthcoming set determined the value of n. Each set was presented in its entirety before the submitted to respond. The following time intervals, after the presentation of the last directive in a set, were allowed for the initiation of the spice of the direction following behavior:

1) single directives ----- 5 seconds;

two directive sets ----- 10 seconds; and

2) five directive sets ----- 25 seconds.

If a subject exceeded these limits he or she was asked to begin the performance ι in directive(s) at that time.

Each performance of a directive was observed and recorded by the $\it IE$ and the $\it NE$. The reinforcement schedule was as follows:

a) If one directive was given and the subject responded correctly, the subject was given one token.

b) If two directives were given, the subject had to follow both directives correctly to receive two tokens.

c) If three directives were given, the subject had to follow all three correctly to receive three tokens, otherwise, he received none.

d) When four or five directives were given, the subject had to perform at least three correctly to receive tokens. Each subject was given three, four, or five tokens according to the number of correct responses.

Carponses to multiple directives were reinforced when the subject followed the cirectives in the designated sequence regardless of omissions. Tokens were exchanged for penning at the end of each session at the rate of five tokens per ponny.

<u>Baaliro</u>

Five sets of stimulus sentence materials were administered to all subjects.

The 27 subjects were randomly assigned to one of two training conditions:
a) training rehearsal and placeholding; b) training control. Due to illness one



s 'inct in the training control group was lost.

With the training rehearsal and placeholding group, two E's were present and recorded data for the first two training sessions and at scheduled intervals thereafter. The IE was designated to interact with a subject during training and all subsequent phases of the program.

When the subject arrived, the IE greeted him. Then the IE set up the items of the appropriate training set on the bookshelves with the subject watching. The items were set up as shown in Appendix B. Similar items were placed together, one inside the other, where appropriate. The subject and the IE then went to their respective seats around the table. The bookcase, NE, IE, subject, and tokens were positioned as shown in Figure 1. Data sheets were placed in the laps of both E's.

The IE then said,

Sometimes people have trouble remembering what other people tell them. But there are things you can learn to do to help you remember better. One way is to count the things you have to do, then you'll know how many things you have to remember. Another way to remember better is to repeat what I tell you to do, out loud. So every day when you come over here, we're going to practice counting and saying, out loud, what I tell you to do. Let (NE) and I show you what I want you to do.

The demonstration was given as follows: the IE said,

(NE), Give me the penny... Show me the achtray. Turn over the block.

Immediately, the NE said,

One, give you the penny.
Two, thow you the achtray.
Three, turn over the block.

The NE walked to the bookcase and performed as directed while verbalizing as above. The \it{IE} then said,

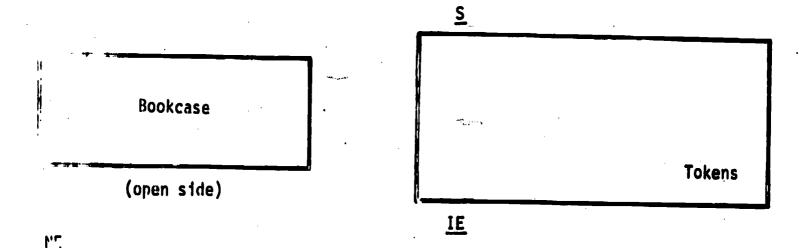
Every time you do just like (NE) aid, you'll get tokens. (The IE then hold up the token.)

There was a maximum number of three tokens given for each diffective in a set:



Figure 1

noitions of the Bookcase and the IE, NE, and S Tokens During Training



5 6

for rehearsing and counting correctly, one for correct motor response, and for correct sequence (given only when directive was followed correctly). It lained to the subject exactly why he received each token in the following

Here are three tokens for counting and saying everything right and here are six more for doing everything right. When we get all done today, we'll count how many tokens you have and you can exchange them for pennies. O.K., listen carefully and remember to count and say it all back to me.

After a brief pause, the IE gave the following example:

Give me the penny. Show me the ashtray. Turn over the block.

The IE then waited for a complete rehearsal, prompting if necessary, and watched the sudent do the task. If the subject omitted repeating or counting, the desired behavior was again modeled by the IE and NE and the subject was given the example again. No matter what the result, the IE put the appropriate number of tokens in front of the subject and continued with the first item in Training Group.

Tokens were exchanged for pennies at the end of each session at the rate of ten tokens per penny. Each session lasted a maximum of 3C minutes. The training progressed until each subject had achieved the criterion of less than ten purcent variation in performance across similar sets for three consecutive complete training sessions or had completed 15 training sessions. All subject's desired to uset the first criterion and were tested for 15 complete training

The state of the program.

When the subject arrived, the IE gracted him and set up the items of the



were set up as shown in Appendix B. Similar items were placed together, one inside the other, where appropriate, and boxes which contained items were opened so that the others inside could be seen. The subject and IE then went to their respective saits and the teste. The bookcase, NE, IE, subject, and tokens were positioned as shown in Figure 1. Data sheets were placed in the laps of both E's.

The IE then said,

Sometimes people have trouble remembering what other people tell them. One way to remember better is to practice remembering things everyday. So when you come over here, we're going to practice remembering. I'll tell you to do some things, then you think about what you're going to do, then get up from your chair and do them.

The IE then gave a three-part example and continued:

Everytime you remember what I told you to do and do it in the right order, you'll get tokens.

The IE then held up a token and said,

When we get all done today, we'll count how many tokens you have and you can exchange them for pennies. O.K., listen carefully.

After a brief pause, the IE gave the first set of directives. The appropriate number of tokens were placed on the table in front of the subject and he was told exactly why he received them. There was a maximum of three tokens given for each directive: two for correctness and one for exact sequence. The tokens were exchanged for pennies at the end of each session at the rate of ten tokens per penny.

Each session lasted a maximum of 30 minutes. The training progressed until each subject had achieved the criterion of less than ten percent variation in performance across similar sets for three consecutive complete training sessions, or had completed 15 training sessions. All subject's failed to meet the first emitarion and were tested for 15 complete training sessions.

) Mast

The posttest was a replication of the pretest in procedure and use of stimulus



ls. It was administered to the subjects the day following completion of araining.

Results and Discussion

The data were analyzed from training and generalization performance in terms of the umber of directives correctly followed and the number of directives correctly sequenced by the experimental (placeholding and rehearsal) and control (practice) groups. Since each subject was presented more than one set of directives containing the same number of separate directives in each session, the average performance of each subject on a particular set for each session was considered a single data point for convenience in recording data for both correctness and sequence. The performance data for seven subjects from eight sessions were randomly selected to assess interobserver reliability. The number of agreements divided by the total exceeded 0.90 in all eight instances.

Correctness

 Λ 2 x 2 x 5 (groups x conditions x sets) analysis of variance revealed a statistically significant set difference within subjects (F(4,88) = 133.43, p<.001) as well as a significant pretest and posttest difference within subjects (F(1,22) = 5.99, p<.025). The significant difference in performance within subjects and across sets reflects the varying degree of difficulty between directive sits. The significant pretest and posttest differences within subjects indicate the performance and rehearsal strategies facilitate performance.

value of variance. This analysis resulted in a significant set difference of (F(A,88) = 112.98, p<.001) and a significant pretest and posttest within subjects (F(1,22) = 7.55, p<.025). Since the generalization permitted in a significant pretest and posttest within subjects (F(1,22) = 7.55, p<.025). Since the generalization permitted in a significant pretest and posttest within subjects (F(1,22) = 7.55, p<.025). Since the generalization permitted in a significant pretest and posttest within subjects (F(1,22) = 7.55, p<.025). Since the generalization permitted in a significant set different dependent variables and, once



both practice and rehearsal strategies seem to facilitate performance.

addition a post hoo analysis was performed on the training and generalization data when experimental (high IQ and low IQ) and control (high IQ and low IQ) groups with to bring to light more meaningful implications of the correctness

replaces were found on training performance with the high IQ practice with the low IQ group facilitate performance. Significant and on generalization performance with the high IQ practice group and on generalization performance with the high IQ practice group and on generalization performance with the high IQ practice group and the low IQ rehearsal group. These results suggest that the artificially imposed strategy of rehearsal could have interferred with the high IQ group who presumably were attempting to implement strategies of their own. Conversely, the low IQ group, seemingly lawing in a strategy, utilized rehearsal and were able to benefit from it.

final analysis of the correctness data involved the serial position of correct res correctly followed in sets of two, three, four, and five. The percentage of irectives correctly followed are for the various sets presented in Figure 2.

Tume 2 illustrates the similarity of serial position effects between the and within the two groups before and after training. Strong primacy and receive effects can also be noted. While an extremely strong recency effect can be noted for all groups performing on sets with four directives, a comparable primacy and recency effect can be noted for all groups performing on sets with five directives. It is unclear as to why these two curves should vary so markedly. It can be hypothesized, however, that with increasing levels of difficulty recency effects are gradually reflected by primacy effects.

Sequence

The sequence in which directives were appropriately followed was scored in terms of an index reflecting the extent of deviation from the proper sequence of



Pretest to Posttest Change in Generalization Performance

Table 1

CATEGORIES	TOTAL N PER GROUP	··· IMPROVED	WORSE	NO CHANGE	CRITICAL VALUE*	
REHEARSAL HIGH IQ	7	4	3	0	.500	Market Co.
PRACTICE HIGH IQ	6	6	0	0	-016	•
REHEARSAL LCW IQ	7	7	0	0	.008	1
PRACTICE LCH IQ	6	2	4	0	.344	

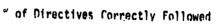
Pretest to Posttest Change in Training Performance

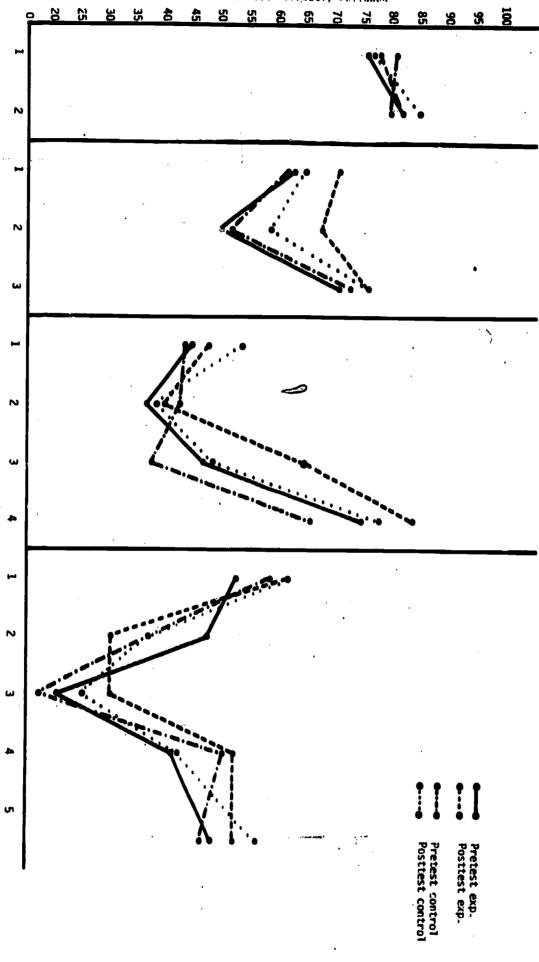
CATEGORIES	TOTAL N PER GROUP	IMPROVED	WORSE	NO CHANGE	CRITICAL VALUE*	
REHEARSAL HIGH IQ	7	. 3	3	1	.656	
PPACTICE HIGH IQ .	6	6	0	0	.016	
REHEARSAL LOW IQ	7	6	1	0	.062	
PRACTICE LON IQ	6	2	4	0	.344	

^{*}Using Sign Test for the Significance of Change. Siegel, S. <u>Nonparametric</u> <u>Statistics</u>. New York: McGraw-Hill, 1956, pp. 68-75.



Serial Position Curve





ERIC Afull Text Provided by ERIC

The third ves within a set. A score was recorded for every appropriately performed modive only if it was preceded by another directive which properly belonged carlier in the sequence. For example, a three-directive set properly sequenced of ander 1, 2, 3 was scored 2 + 1 = 3 indicating that two directives (2 and 3) number occurred later in the sequence than Directive 1, and that one directive (2) reconcrly occurred later in the sequence than Directive 2. Similarly, a fivedimactive sat sequenced in the proper order (1, 2, 3, 4, 5) was scored 4 + 3 + 2^{-4} = 10 reflecting the fact that four directives (2, 3, 4, 5) occurred properly sequenced later than Directive 1, three directives occurred after Directive 2, eac. An improperly sequenced set of directives, such as a four-directive set performed in the order 4, 2, 3, 1 was scored 0 + 1 + 0 = 1 indicating that only Directive 3 followed a directive which occurred earlier in the proper sequence. Oin'ssions and incorrectly followed directives occurred quite frequently in the performance of both groups and were not scored. For example, a three-directive soft performed in the order 1, 2, 3 received the same score (2 + 1 = 3) as a fourd eachive set performed in the order 1, 2, 4 although Directive 3 was omitted in in a fatter set.

? \times 2 × 4 (groups x conditions x sets) analysis of variance revealed a significant pretest and posttest difference within subjects (F(1,22) = 4.94, p< .(if). Apparently, both practice and rehearsal strategies facilitate sequence performance.

Generalization was also assessed with a 2 x 2 x 4 (groups x conditions x sets) analysis of variance. This analysis reflected a significant pretest and posttest difference within subjects (F(1,22) = 9.68, p<.01). The similarity of results between training performance and generalization performance suggests once and in the possibility of two measures on two dependent wariable.

" nost hoo analysis of the sequence data performed by dividing each group into



Table 2

Pretest to Posttest Change in Generalization Sequence

CATEGORIES	TOTAL N PER PROUP	IMPROVED	WORSE	NO CHANGE	CRITICAL VALUE*	
INTERNAL OF THE	7	4 ,	3	0	.500	
PRACTICE - FIGH IQ	6	6	0	0	.016	•
REHEARSAL LOW TO	. 7	2	<u>,</u> 3	2	.500	÷
PRACTICE	6	2	3	1	.500	

Pretest to Posttest Change in Training Sequence

CATEROPIES	TOTAL N PER GROUP	IMPROVED	WORSE	NO CHANGE	CRITICAL VALUE*	
LOSSAND. TORING	7	4	3	0	.500	
ph o	6	5	1	0	.109	
fr on	7	4	2	1	.344	
P .TICE	6	3	3	0	.344	
4 .94				•		

Statistics. Now Vok: McGraw-Hill, 1956, pp. 68-75.

of high and low IQ resulted in a significant pretest and posttest difference in the high IQ practice group on generalization performance. The results to analysis are presented in Table 2.

commance The results of this study did not confirm the expectation strategy of placeholding and overt rehearsal would facilitate performance.

In 10°2) stated that memory is negatively influenced by processing deficits retarded and that a training procedure must be tailored to the retardates consting mode of information processing. Similarly, the results of this investigation suggest that both practice and rehearsal differentially influence performance. It seems questionable that consideration of a single rehearsal strategy alone can facilitate performance in retarded individuals with varying intelligence (IQ) and modes of processing information.

If the processes underlying direction following are comparable to those related to memory, then several components pertaining to performance must be considered. Buttarfield, Wambold, and Belmont (1972) mention that active rehearsal along with sequencing active and passive rehearsal strategies and appropriate retrieval strategies are all critical to performance. A better understanding of these factors could possible the recognition of more appropriate rehearsal strategies.



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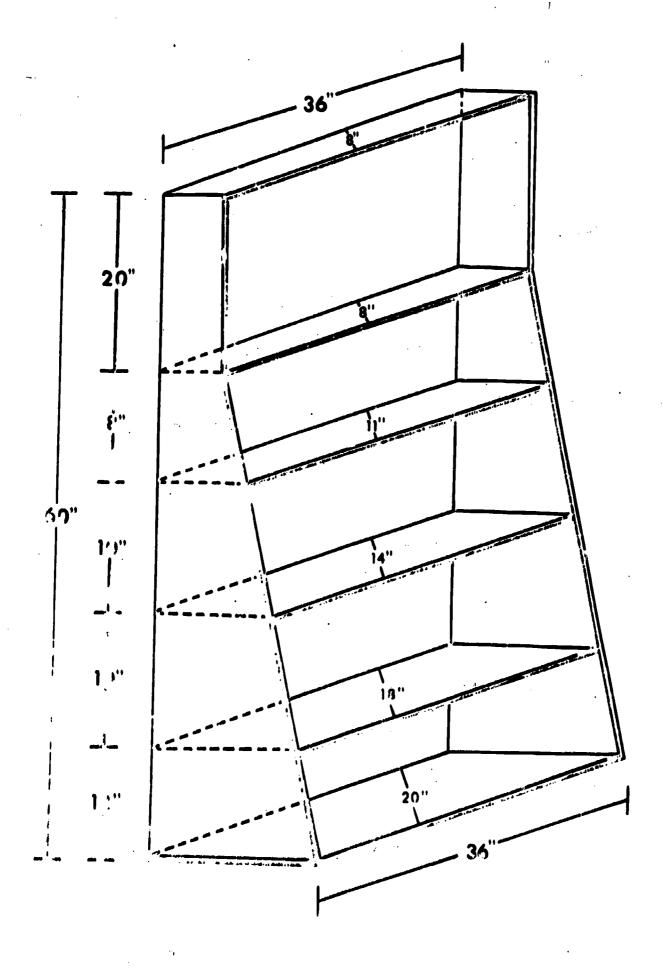
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APPENDIX A



Bookshelf for Stimulus Objects

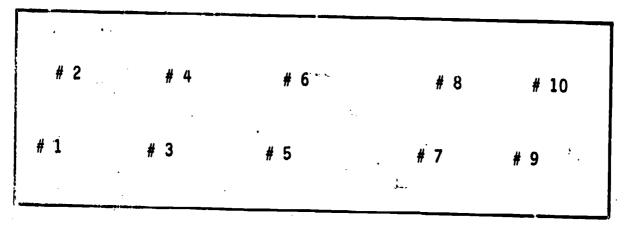




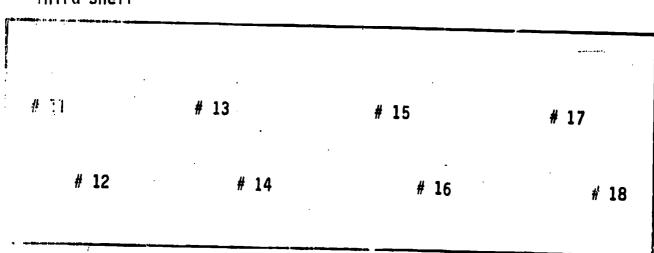
APPENDIX B

Numbered Locations of Arrangement of Objects on Shelves

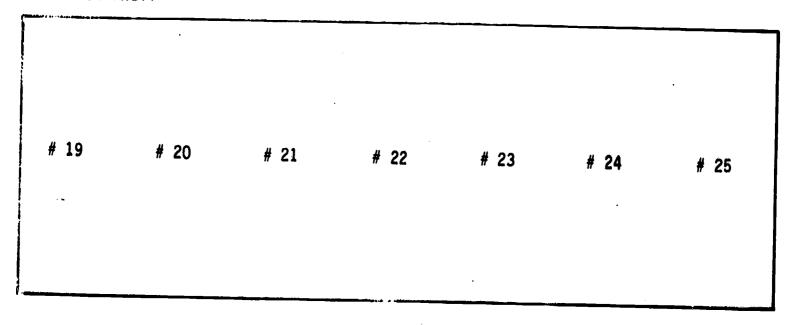
Second Shelf



Third Shelf



Fourth Shelf







Second Shelf

10.	9	∫ .∞	1 .7	6.	5.	4	(43	2.	1 :	16
2 toothbrushii (pink, blue)	pocket knife	2 plates (big, little)	safety pin	2 balls (big, little)	2 keys	grapes	2 spoons	2 cups (big, little)	2 cows (black, white)	Generalization Set
3 rubber bands	2 dogs	t airplanes (red, green, bluc, white, yellow)	tiger	3 marbles (1 big, 2 little) (2 green, 1 yellc:/)	2 horses (big, little)	3 buttons (big, med., little) (pink, white, red)	lighter	penny	basket	Set 1
lipstick	3 boots (green, yellow, white)	pig	boy	dice (1 die)	3 rabbits (1 big, 2 little)	padlock	ring	thimble	bird	Set 2
(pink, white, walley)	2 leaves	<u></u>	flashlight	shoe	zipper	hairbrush	crown	2 mirrors (pink, yellow)	<pre>3 elephants (big, med., little)</pre>	Set 3
2 butter lies (plink, yellow)	girl	2 hats (white, yellc:)	2 spiders	glasses (eya)	hot dog	3 spocls	2 rollers (pink, green)	2 angels (pink, white)	<pre>2 watches (big, little)</pre>	Set 4
2 flowers (yellow, pink)	soap	matches	knife	frog	2 jacks	truck	2 paperclips	2 chelks (big, little)	3 balloons (1 big, 2 little)	Set 5

ACT ONLY WHITEHE

Third Shelf

18. pencil	17. bracelot	f	15. ruler	14. stamp	13. crayons	12. indian	11. cards	Generalization Set
kleenox	worm	scissors	shoes tring	pen	fork	chain	iron	Set 1
hammer	screwdriver	scissors	eggbeater	top	boat	house	perfume	Set 2
2 bandaids	thread	scissors	washrag	Saw	salt shaker	coat	2 flags (big, little)	Set 3
ссывау	2 shcep (1 white)	scissors	2 envelopes	carrot	tractor	chicken	pliers	Set 4
eraser	pipo	scissers	bib	clethespin	tape	glass (drinking)	sponge	Set 5



Fourth Shelf

25. paper	24. handkerc'ief	23. toothbrush	22. book	21. fly s _h	20. magazine 21. fly swatter	20. magazi 21. fly sw
, 	rchief)rush	1.	vatter	watter	(big, little) magazine fly swatter
door	paper	penci l	block	dishrag	ashtray dishrag	coloring book ashtray dishrag
app le	orange	pencil ·	<pre>d combs (yellow, pink, white)</pre>	towel	gun towel	tablet gun towel
fan	toilet paper	pencil	3 sacks	banana	record	record
axe	tomato	pencil	pear	tool box	belt tool box	belt tool box
newspaper	2 gloves (1 white)	pencil	pai::thrush	candle	construction paper candle	3 socks (pink, yellow, white) construction paper candle

APPENDIX C



List of Verbs, Prepositions, and Adjectives Used to Generate Experimental Sentences

	<u>Verbs</u>		Prepositions	· <u>į</u>	Adjectives		
1.	give	1.	next to	1.	green		
2.	hand	2.	in	2.	two		
3.	go get	3.	under	3,	big		
4.	draw	4.	beside	4.	blue		comy susti ant f
5.	fold	5.	in front of	5.	some	BEST	COPY AVAILABLE
ů,	bring	6.	behind	6.	yellow		•
٧.	%.tta	7.	above	7.	large		
	stappet	8.	beneath	8.	one .		•
137.	media:	٥.	over	. 9 .	little		
1 1.		10.	on	10.	small	٠	
Y.,	6000	11.	inside	11.	all .	•	(ma
• •	1.17.44			12.	white		~
a* 	10			13.	pink		•
·				14.	black		· .



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		i ilouiis	osed to dener	ate Exp	erimental Sente	nces	
1.		41.	chain	81	. mirror	121.	cha1k
2.	•	42.	fork	82	crown	122.	
3.	•	43.	pen	83.	hairbrush	123.	1 1
4.		44.	shoestring	84.	zipper	124.	
5.	•	45.	scissors	85.		125.	
6.		46.	worm	86.	flashlight	126.	•
7.		47.	kleenex	87.	_	127.	
8.	•	48.	coloring book	88.	leaves	128.	soap
9.	•	49.	ashtray	89.	ribbon	129.	flower
10.	toothbrush	50.	dishrag	90.	flag	130.	sponge
11.	cards	51.	block	91.	coat	131.	glass (drinking)
12.	Indian	52.	door	92.	salt shaker	132.	
17.	crayons	53.	ear	93.	saw	133.	clathespin
	sithing	54.	chair	94.	washrag	134.	bib
	milian	55.	bird	95.	thread	135.	pipe
	3 1111	56.	thimble	96.	bandaid	136.	erasor
•; • •	inacelet	57.	ring	97.	corn	137.	sock
	,200 1	5 8.	padlock	98.	record	138.	construction paper
	5°. (· 50.	robbit	99.	banana	139.	candle
	M. Whae	80 .	dica :	100:	sack	140.	paintbrush
	vooter	61.	Fox	101.	toilet paper	141.	glove
	:	61.	o()	102.	fan	142.	newspaper
	n.s.te	63.	boot	103.	mouth	143.	hair
,	littin/"kerichief	64.	linstick	104.	floor	144.	doorknob
•	• •	65.	panfume	105.	pliers	145.	watch
•	" Y" 3"	66.	house	106.	chicken	146.	angel
•	to the second of	67.	bon*:	107.	tractor	147.	roller (hair)
	machen	63.	to the second	108.	carrot	148.	spool
• •	lift is	69.	addheater	109.	envelope	149.	hot dog
•	rsket	70.	screwdriver	110.	sheep	150.	glasses (eye)
•	and the state of t	e di sa	harmar	111.	cowboy	151.	spider
• •	" ' "er	73.	tablat	112.	purse	152.	hat
•		73.	gun	113.	belt	153.	girl
	- 1 31h A	77.0	\$0MG1	114.	tool box	154.	butterfly
•	For Matte	75.	Cump	115.	pear		
· · .	ing daw	75.	omange	116.	tomato		
	าว"ane	777	anole	117.	âxe		
	dog	78.	e.v.a	118.	wall	,	
ja. 1 g	" how band	79.	colfing	119.	nose		
r".	English		elaphant -	120.	balloon		
				x			

